

CLAIMS:

What is claimed is:

1. A memory card connector having an interior cavity for receiving a memory card, comprising:

an insulating housing having a rear terminal-mounting section at the rear of the cavity, and at least one longitudinal side wall section extending forwardly from one end of the rear section at one side of the cavity, the housing having a bottom surface for mounting on a circuit board, and the longitudinal side wall section having a top surface;

a plurality of terminals mounted on the rear terminal-mounting section of the housing and having contact portions for engaging contacts on the memory card;

a metal shell covering at least a portion of the insulating housing and including a cover plate overlying at least a portion of the longitudinal side wall section of the housing; and

an engaging structure including an engaging projection on one of said cover plate of the metal shell or the top surface of said side wall section of the housing extending into an engaging opening in the other of said cover plate or top surface to prevent relative movement therebetween in a plane generally parallel to the cover plate and top surface, there being a slight clearance between the engaging projection and the engaging opening to avoid creating residual stresses in the housing.

2. The memory card connector of claim 1 wherein said insulating housing is generally L-shaped with said terminal-mounting section extending transversely across the rear of the cavity and said longitudinal side wall section having a distal end, said engaging projection being near the distal end of the side wall section and projecting from the top surface thereof for engagement in an engaging opening in the cover plate of the metal shell.

3. The memory card connector of claim 1 wherein said insulating housing is generally U-shaped with said terminal-mounting section extending transversely across the rear of the cavity and including two of said longitudinal side wall sections extending forwardly from both opposite ends of the rear section, and including one of said engaging projections near a distal end of each side wall section and projecting from the top surface thereof into a respective engaging opening in the cover plate of the metal shell.

4. The memory card connector of claim 1 wherein said engaging opening comprises a hole in the top surface of the side wall section of the housing for receiving, with a slight clearance, the engaging projection on the cover plate of the metal shell.

5. The memory card connector of claim 4 wherein said metal shell is stamped and formed of sheet metal material, and said engaging projection comprises a tab stamped and formed out of an aperture in the cover plate of the metal shell.

6. The memory card connector of claim 5 wherein said longitudinal side wall section has a distal end, and said engaging opening is located near the distal end of the side wall section.

7. The memory card connector of claim 1, including a metal securing nail fixed to the insulating housing and having a foot portion for securing to an appropriate mounting pad on the circuit board.

8. The memory card connector of claim 7 wherein said metal securing nail is fixed to the housing adjacent said engaging structure.

9. The memory card connector of claim 7 wherein said metal shell includes a grounding tab formed into engagement with said metal securing nail to provide a ground potential.

10. The memory card connector of claim 1 wherein said longitudinal side wall section has a distal end, and said engaging structure is located near the distal end of the side wall section.

11. A memory card connector having an interior cavity for receiving a memory card, comprising:

an insulating housing having a rear terminal-mounting section at the rear of the cavity, and at least one longitudinal side wall section extending forwardly from one end of the rear section at one side of the cavity, the longitudinal side wall section including a distal end, the housing having a bottom surface for mounting on a circuit board, and the longitudinal side wall section having a top surface;

a plurality of terminals mounted on the rear terminal-mounting section of the housing and having contact portions for engaging contacts on the memory card;

10 a metal shell covering at least a portion of the insulating housing and including a cover plate overlying at least a portion of the longitudinal side wall section of the housing; and

15 an engaging structure including an engaging projection on the top surface of said side wall section of the housing extending into an engaging opening in the cover plate of the metal shell to prevent relative movement therebetween in a plane generally parallel to the cover plate and top surface.

12. The memory card connector of claim 11 wherein said insulating housing is generally L-shaped with said terminal-mounting section extending transversely across the rear of the cavity, said engaging projection being near the distal end of the side wall section and projecting from the top surface thereof for engagement in an engaging opening in the
5 cover plate of the metal shell.

13. The memory card connector of claim 11 wherein said insulating housing is generally U-shaped with said terminal-mounting section extending transversely across the rear of the cavity and including two of said longitudinal side wall sections extending forwardly from both opposite ends of the rear section, and including one of said engaging
5 projections near a distal end of each side wall section and projecting from the top surface thereof into a respective engaging opening in the cover plate of the metal shell.

14. The memory card connector of claim 11, including a metal securing nail fixed to the insulating housing and having a foot portion for securing to an appropriate mounting pad on the circuit board.

15. The memory card connector of claim 14 wherein said metal securing nail is fixed to the housing adjacent said engaging structure.

16. The memory card connector of claim 15 wherein said metal shell includes a grounding tab formed into engagement with said metal securing nail to provide a ground potential.